

AMENDMENTS TO THE CLAIMS

Claims 1-43 (Canceled)

Claim 44 (New) A method for the formation of a layering of electronically-interactive liquefied material capable of being solidified or polymerized on a support surface, comprising:

(a) fastening the support surface to a mobile support bed of a computer controlled machine, the mobile support bed being capable of moving backwards and forwards and having a transverse bridge passing over the mobile support bed, the transverse bridge having a transverse guide capable of alternate transverse movement above the mobile support bed for movement of a distribution unit for the electronically-interactive liquefied material, the distribution unit including a distributor capable of point spraying of the liquefied material at programmed differential pressure under a control program of the computer controlled machine, and the distributor having a series of punctiform nozzles for distributing respective pixel points of the liquefied material;

(b) moving the mobile support bed having the support surface thereon forward in accordance with the control program below the bridge and below the distribution unit;

(c) moving the distribution unit transversely above the support surface and depositing with the distributor at least one layer of the electronically-interactive liquefied material in the form of points on the support surface according to a programmed design, said depositing including differentiation of distribution pressure of the electronically-interactive liquefied material between two different values p_1 and p_2 , wherein p_1 is a pressure at a start of a distributing and depositing phase, p_2 is a continuous pressure during distribution of the electronically-interactive liquefied material, and $p_1 > p_2$;

repeating said (b) and said (c) until an entirety of a required surface interested area of the support surface has been covered; and

applying a supply pressure p_3 in order to clean a filtering system in a feeding system of the electronically-interactive liquefied material during a non-operational phase, with $p_3 > p_1$.

Claim 45 (New) The method of claim 44, further comprising polymerizing the electronically-interactive liquefied material during distribution of the electronically-interactive liquefied material by the distribution unit with an ultra-violet ray head on a side of the distribution unit.

Claim 46 (New) The method of claim 45, wherein said polymerizing comprises electronically controlling required energy supply to the ultra-violet polymerizing head to fix the electronically-interactive liquefied material to the support surface.

Claim 47 (New) The method of claim 44, and further comprising detecting a distance of the distribution unit from the support surface with an ultrasonic distance sensor on a side of the distribution unit and transmitting distance data to a computer controlling movement of the distribution unit.

Claim 48 (New) The method of claim 45, and further comprising detecting a distance of the distribution unit from the support surface with an ultrasonic distance sensor on a side of the distribution unit and transmitting distance data to a computer controlling movement of the distribution unit.

Claim 49 (New) The method of claim 46, and further comprising detecting a distance of the distribution unit from the support surface with an ultrasonic distance sensor on a side of the distribution unit and transmitting distance data to a computer controlling movement of the distribution unit.

Claim 50 (New) The method of claim 44, further comprising controlling and fine tuning start, and checking regularity and conclusion, of said depositing with the distribution unit with a television camera installed to a side of the distribution unit.

Claim 51 (New) The method of claim 45, further comprising controlling and fine tuning start, and checking regularity and conclusion, of said depositing with the distribution unit with a television camera installed to a side of the distribution unit.

Claim 52 (New) The method of claim 46, further comprising controlling and fine tuning start, and checking regularity and conclusion, of said depositing with the distribution unit with a television camera installed to a side of the distribution unit.

Claim 53 (New) A system for the formation of a layering of electronically-interactive liquefied material capable of being solidified or polymerized on a support surface, comprising:

a mobile support bed of a computer controlled machine for having the support surface fastened thereto, said mobile support bed being capable of moving backwards and forwards;

a transverse bridge passing over said mobile support bed, said transverse bridge having a transverse guide capable of alternate transverse movement above said mobile support bed for movement of a distribution unit for the electronically-interactive liquefied material, said distribution unit including a distributor capable of point spraying of the liquefied material at programmed differential pressure under a control program of said computer controlled machine, said distributor having a series of punctiform nozzles for distributing respective pixel points of the liquefied material, and said control program being operable to move said mobile support bed having the support surface thereon forward below said bridge and below said distribution unit;

wherein said distribution unit is operable to move transversely above the support surface and deposit with said distributor at least one layer of the electronically-interactive liquefied material in the form of points on the support surface according to a programmed design, the depositing including differentiation of distribution pressure of the electronically-interactive liquefied material between two different values p_1 and p_2 , wherein p_1 is a pressure at a start of a distributing and depositing phase, p_2 is a continuous pressure during distribution of the electronically-interactive liquefied material, and $p_1 > p_2$;

wherein said control program and said distribution unit are operable to repeat the movement of said mobile support bed and the movement transversely above the support surface to deposit until an entirety of a required surface interested area of the support surface has been covered; and

a filtering system in a feeding system for the electronically-interactive liquefied material operable to have a supply pressure p_3 applied thereto in order to clean during a non-operational phase, with $p_3 > p_1$.

Claim 54 (New) The method of claim 53, further comprising an ultra-violet ray head on a side of said distribution unit for polymerizing the electronically-interactive liquefied material during distribution of the electronically-interactive liquefied material by said distribution unit.

Claim 55 (New) The method of claim 54, wherein said ultra-violet ray head polymerizing has an electronically controlled energy supply to supply the ultra-violet polymerizing head with the energy required to fix the electronically-interactive liquefied material to the support surface.

Claim 56 (New) The method of claim 53, and further comprising an ultrasonic distance sensor on a side of the distribution unit for detecting a distance of the distribution unit from the support surface and transmitting distance data to a computer controlling movement of said distribution unit.

Claim 57 (New) The method of claim 54, and further comprising an ultrasonic distance sensor on a side of the distribution unit for detecting a distance of the distribution unit from the support surface and transmitting distance data to a computer controlling movement of said distribution unit.

Claim 58 (New) The method of claim 55, and further comprising an ultrasonic distance sensor on a side of the distribution unit for detecting a distance of the distribution unit from the support surface and transmitting distance data to a computer controlling movement of said distribution unit.

Claim 59 (New) The method of claim 53, further comprising a television camera installed on a side of said distribution unit for controlling and fine tuning start, and checking regularity and conclusion, of the depositing with said distribution unit.

Claim 60 (New) The method of claim 54, further comprising a television camera installed on a side of said distribution unit for controlling and fine tuning start, and checking regularity and conclusion, of the depositing with said distribution unit.

Claim 61 (New) The method of claim 55, further comprising a television camera installed on a side of said distribution unit for controlling and fine tuning start, and checking regularity and conclusion, of the depositing with said distribution unit.